

## Anti-IRF6 Antibody (5N5)

## Product Details

Ig Type:	Mouse IgG3
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5N5
Purification:	Protein A

## Applications

Verified Activity:	Immunofluorescence staining of Human IRF6 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human IRF6 monoclonal antibody (1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody(green). Positive staining was localized to cytoplasm and nucleus.
Application:	ICC/IF
Recommended	ICC-IF: 1:20-1:100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: C-terminus of the human IRF6
Antigen Species:	Human
Synonyms:	PPS;PPS1;OFC6;VWS1;LPS;PIT;VWS
Biology Area:	Apoptosis Transcription Factors and Regulators

## Research Background

IRF6 (Interferon Regulatory Factor 6) is a Protein Coding gene. IRF6, a member of the IRF family of transcription factors, is required for the differentiation of skin, breast epithelium, and oral epithelium. Family members share a highly-conserved N-terminal helix-turn-helix DNA-binding domain and a less conserved C-terminal protein-binding domain. IRF6, the gene that causes van der Woude syndrome (VWS), is a candidate gene for nonsyndromic cleft lip with or without cleft palate (NSCLP) because some studies have supported an association between NSCLP and single nucleotide polymorphisms (SNPs) in IRF6 in several populations. Interferon Regulatory Factor 6 (IRF6) gene variants are significant genetic contributors to orofacial clefts.

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